

CLAIMS

What is claimed is:

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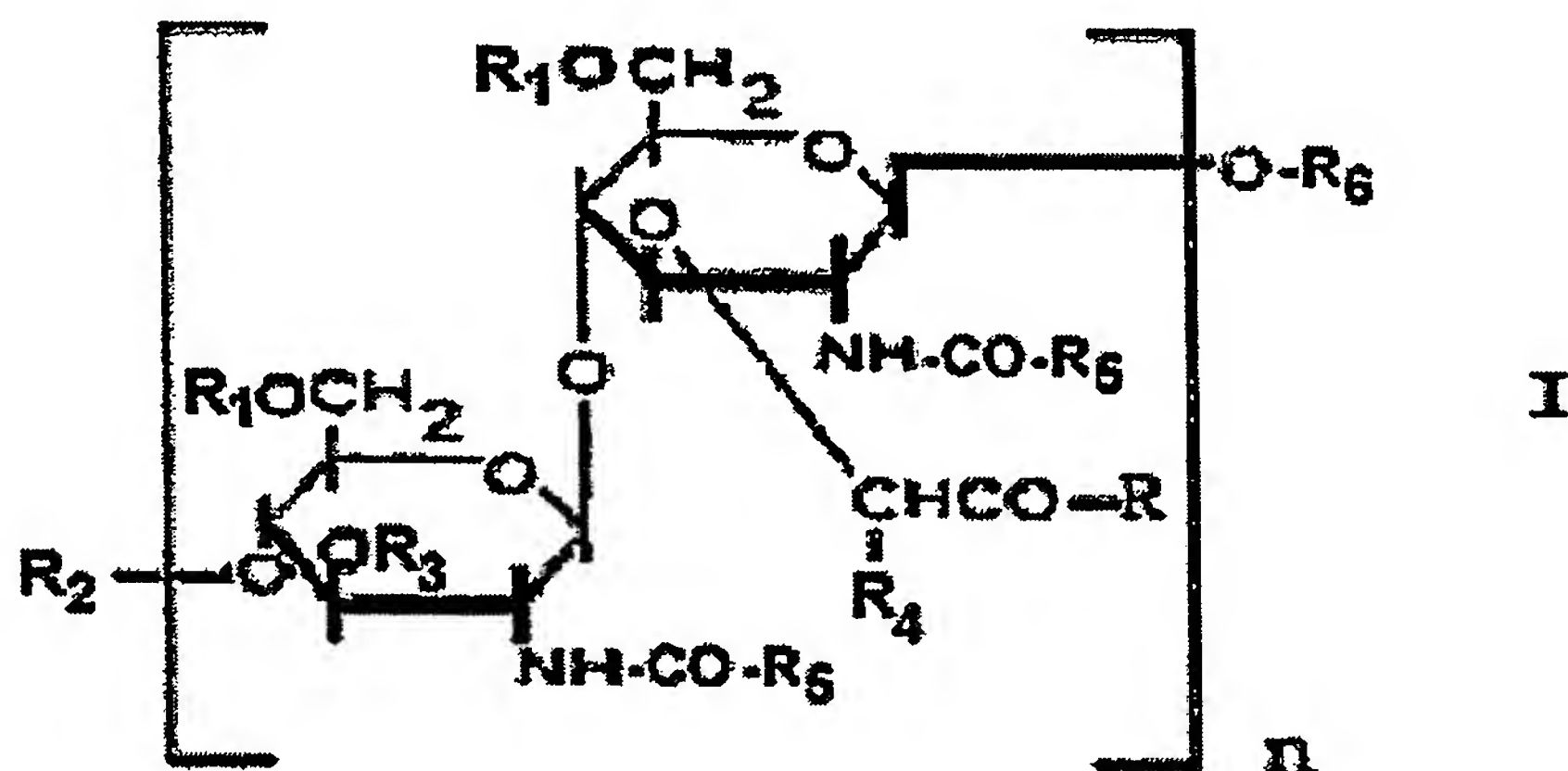
1 1. A method for treating a metabolic or autoimmune disorder in a human
2 or veterinary patient, said method comprising the step of

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4 (A) administering to the patient a therapeutically effective amount of
5 a compound having the formula:

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7



8

9 wherein:

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11 R₁, R₂ and R₃ each represents a hydrogen atom or a C₁-C₂₂ acyl group;

12 R₄ represents a hydrogen atom or a C₁-C₆ alkyl group;

13 R₅ represents a C₁-C₂₁ alkyl group or a C₆ or C₁₀ aryl group;

14 R₆ represents a hydrogen atom; and

15 R represents the residue of an amino acid or a linear peptide of up to from 2
16 to 6 amino acid residues. Furthermore, at least one of the residues may be
17 optionally substituted with a lipophilic group through an ester or amide bond;
18 and n is 1 and 2.

1 2. A method according to Claim 1 wherein Step A comprises
2 administering GMDP.

1 3. A method according to Claim 1 wherein Step A comprises
2 administering GMDP-A.

1 4. A method according to Claim 1 wherein Step A comprises
2 administering GMDP and GMDP-A.

1 5. A method according to Claim 4 wherein Step A comprises
2 administering GMDP and GMDP-A in separate doses at separate times.

1 6. A method according to any of Claims 1-5 wherein the compound is
2 administered enterally.

1 7. A method according to any of Claims 1-5 wherein the compound is
2 administered parenterally.

1 8. A method according to Claim 7 wherein the compound is administered
2 intranasally.

1 9. A method according to Claim 7 wherein the compound is administered
2 sublingually.

1 10. A method according to Claim 7 wherein the compound is administered
2 by buccal administration.

1 11. A method according to any of Claims 1-10 wherein the method further
2 comprises the step of:

3

4 (B) administering to the patient a natural or synthetic compound that
5 comprises a flavone, flavonoid, isoflavone or a derivative, prodrug or
6 congener thereof.

1 12. A method according to Claim 11 wherein Step A and Step B are carried
2 out substantially simultaneously.

1 13. A method according to Claim 11 wherein Step A and Step B are carried
2 out at different times.

1 14. A method according to Claim 12 wherein the compound of Step A and
2 the compound of Step B are administered in a fixed dosage combination
3 pharmaceutical preparation.

1 15. The use of a compound having the general formula set forth in Claim 1,
2 in the manufacture of a preparation for administration to a human or
3 veterinary patient for the treatment of an autoimmune or metabolic disorder.